

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE X WATER SANDS LOCATION INSPECTED OIL SUB. REPORT/abd.

Location Abandoned Well Never Drilled 7-23-81

*Application Resubmitted by Diamond Shamrock changing well name

* Application rescinded - ~~8-10-83~~ 9-14-85

DATE FILED 11-23-79 *7-14-82

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-3563

INDIAN

DRILLING APPROVED: 11-23-79 *7-16-82

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 5448' GR

DATE ABANDONED: ~~8-10-83~~ LA 9-14-83

FIELD: WILDCAT MONUMENT BUTTE 7/86

UNIT:

COUNTY: DUCHESNE

WELL NO. P-0-M-6-0--7-18 PAIUTE FEDERAL #22-18

API NO. 43-013-30512

LOCATION 1958' FT. FROM (N) XX LINE.

1882'

FT. FROM (W) XX LINE.

SE NW

1/4 - 1/4 SEC.

18

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

17E

18

DIAMOND SHAMROCK CORP.
PAIUTE OIL & MINING CORP.

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Well Completed

Location Inspected

..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GE-II..... Micro.....
SIS Sonic GL..... Lat..... MI-L..... Sonic.....
SIS Log..... CG Log..... Others.....

7/10

3-29-70

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Paiute Oil & Mining Corporation

3. ADDRESS OF OPERATOR

1901 Prospector Square, Park City, Utah 84060

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1958' FNL - 1882' FWL Section 18, T9S, R17E, S.L.B. & M.

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 miles South of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

1308.92

19. PROPOSED DEPTH

6000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5448'

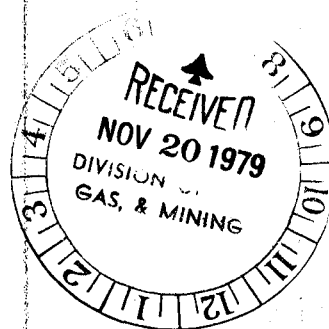
23.

22. APPROX. DATE WORK WILL START*

December 10, 1979

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/2" | 8 5/8" | 36# | 300' | 250 sacks |
| 7 7/8" | 4 1/2" | 27# | 6000' | 400 sacks |



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Representative

DATE November 13, 1979

(This space for Federal or State office use)

PERMIT NO.

30512

APPROVAL DATE

APPROVED BY

TITLE

DATE

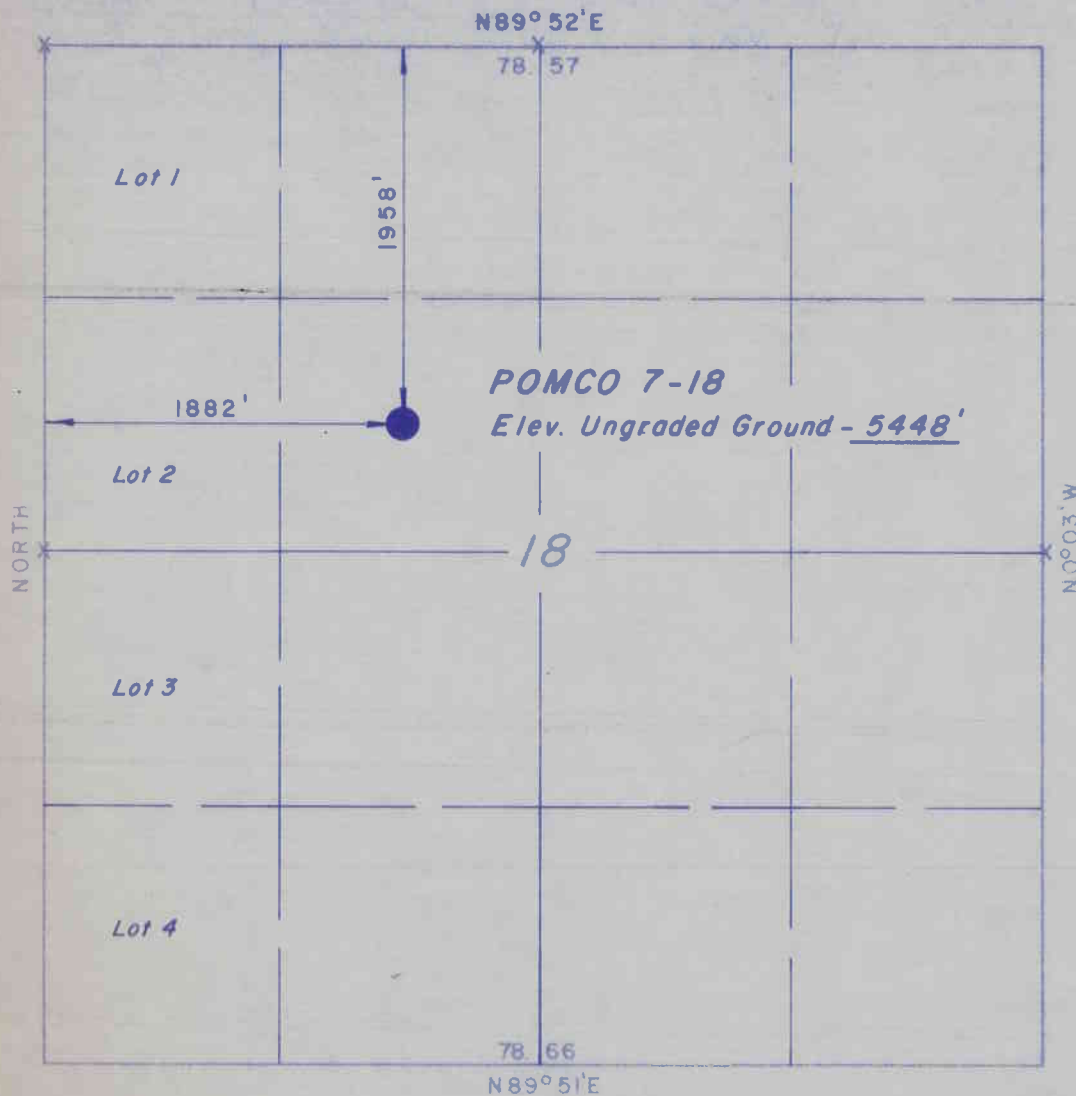
CONDITIONS OF APPROVAL, IF ANY:

T9S, R17E, S.L.B. & M.

PROJECT

PAIUTE OIL & MINING CORP.

Well location, POMCO 7-18, located as shown in the SE 1/4 NW 1/4 Section 18, T9S, R17E, S.L.B. & M. Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

Gene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

UINTAN ENGINEERING & LAND SURVEYING
P.O. BOX Q -- 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

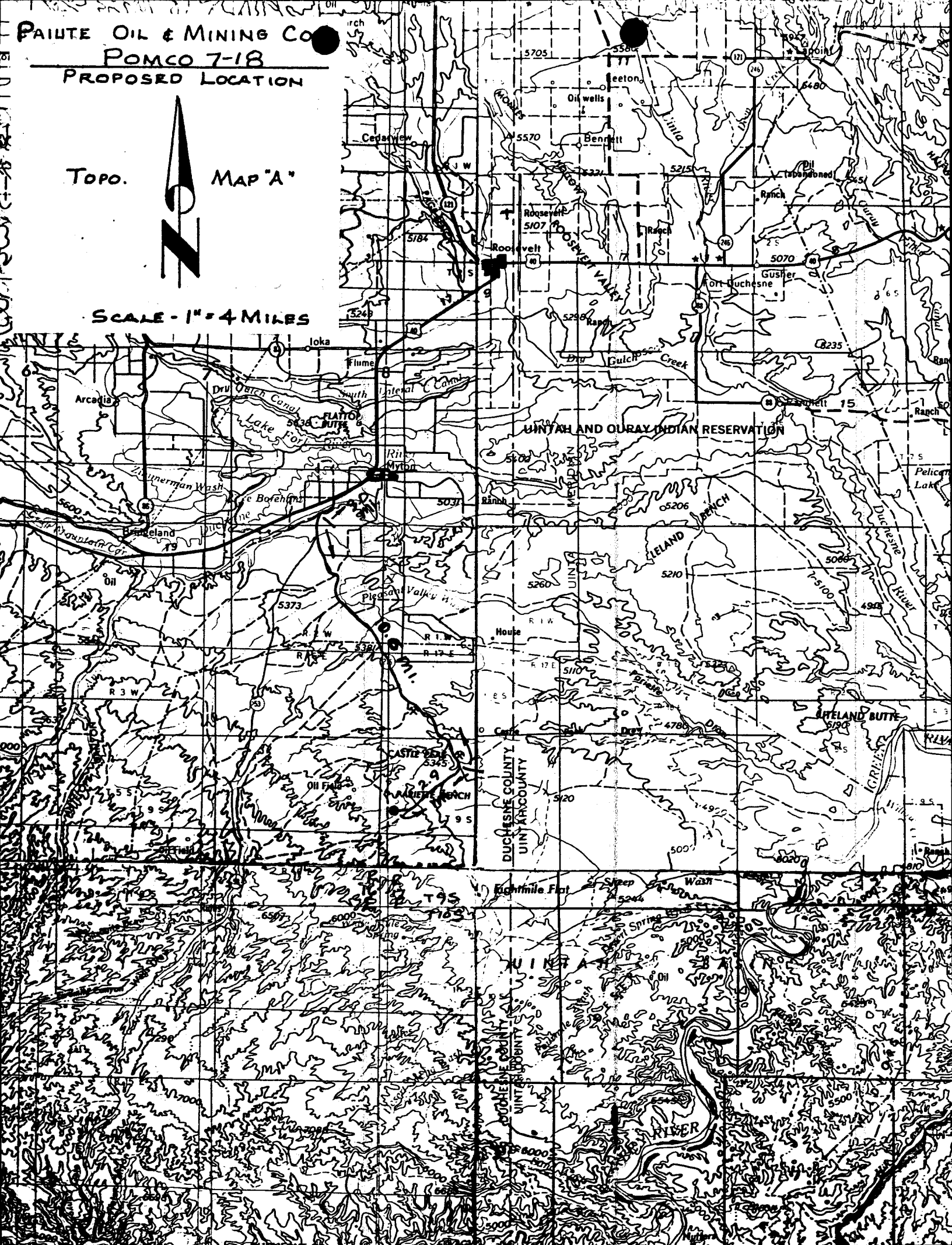
POMCO 7-18

PROPOSED LOCATION



MAP "A"

SCALE - 1" = 4 MILES



1. Geological Name of Surface Formation

(A) Uinta Formation of Eocene Age

2. Tops of Important Geological Markers

(A) Evacuation Creek Member of Upper Green River (Approx. 2600 Ft.)

(B) Douglas Creek Member of Basal Green River Formation (Approx. 5100 Ft)

3. Estimated Depths of Anticipated Water, Oil or Gas

(A) Gas anticipated at 2600 Ft. in Evacuation Creek Member
(Water or Oil not anticipated)

(B) Oil & Gas anticipated in Basal Green River Formation (Douglas Creek)
at 5100' to 5600'

4. Proposed Casing Program

(A) 300 Ft. of 8 5/8" Surface casing 24# K55 and 5100' of 5 1/2" 15.5# K55
production casing. All pipe to be purchased as new.

5. Specifications For Pressure Control Equipment

(A) 8" series 900 Double Hydraulic B.O.P. with pipe Rams and Blind Rams

(B) B.O.P. to be pressure tested before spudding and daily testing of
closing units and rams while drilling.

6. Proposed Circulating Medium

(A) Brine water is proposed to be used unless additional weight is
needed to control pressure of heaving shale. In this event a chemical
gel fresh water mud will be used and Barite as needed to control pressure.

7. Auxiliary Equipment to Be Used

(A) Upper Kelly Cock

(B) Float at Bit

(C) Floor T.I.W. Valve (stabbing valve) for drill pipe

(D) Gas Detector Logging Unit

8. Testing, Logging and Coring Program

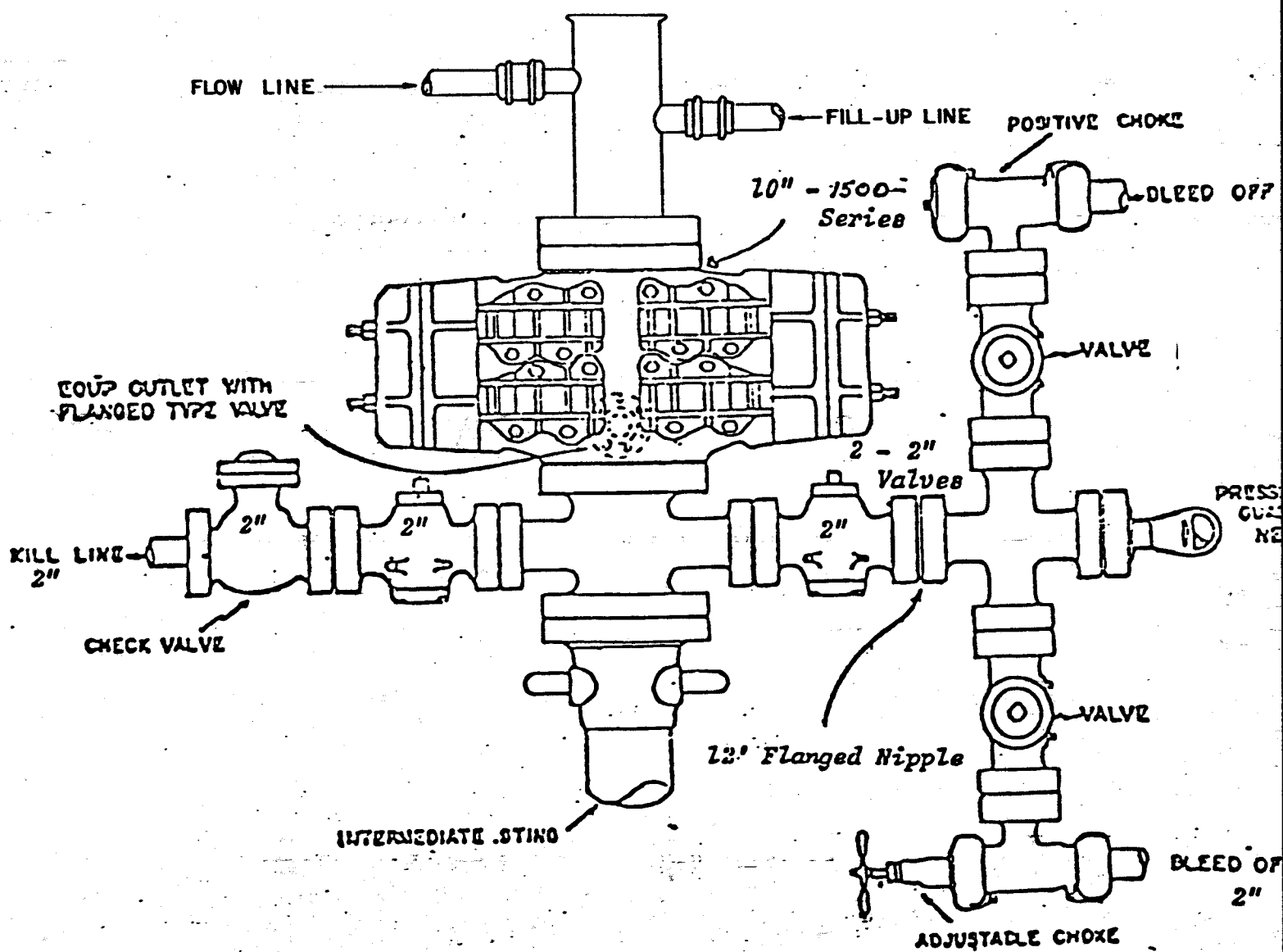
- (A) Drill Stem Test of Evacuation Creek and Douglas Creek
- (B) Will Run Gamma-Neutron, Caliper, and Density Logs (Density Log is Optional)

9. Anticipated Abnormal Pressures, Temperatures or Hazards

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas Expected

10. Starting Date And Duration of Operations

- (A) Anticipated starting date June 15, 1982
- (B) Each well is anticipated to be drilled in approximately 30 days.



NOTE: BLOWOUT PREVENTER HAS DOUBLE RAMS;
ONE BLIND AND ONE PIPE RAM.

Diag. A

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

For

Well Location

Piaute Fed. # 22-18

Located In

Section 18, T9S, R17E, S.L.B. & M.

Duchesne County, Utah

DIAMOND SHAMROCK CORPORATION
Piaute Fed. # 22-18
Section 18, T9S, R17E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION well location, Piaute Fed. #22-18 located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 18, T9S, R17E, S.L.B. & M., Duchesne County, Utah; proceed Southwesterly out of Myton, Utah, along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53-216, to the South; proceed Southerly along this Highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 - 11.5 miles to the junction of this road and an existing dirt oil field service road to the Southwest; proceed Southwesterly along this service road 1.4 miles to the junction of this road and a road to the West, proceed Westerly along this road 0.6 miles to the proposed location site.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highways 53 and 216, at which point Utah State Road 216 is constructed out of existing native materials that are prevalent to the existing areas it is located in and ranges from clay to a sandy-clay shale material, as are the aforementioned dirt oil field service roads and other roads in the vicinity.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of the well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

There will be no access road built to this location site, as the existing road goes to the proposed location site.

3. LOCATION OF EXISTING WELLS

There are no known abandoned wells, water wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site.

There are however, three producing wells within a one mile radius of the proposed location site. For the location of these wells refer to Topographic Map "B".

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are existing production facilities belonging to DIAMOND SHAMROCK CORPORATION within a one mile radius of this location site.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to existing facilities in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from the Duchesne River, at a point where Highway 40 crosses it North of Myton, Utah, approximately 16 miles to the Northeast of the proposed location site.

In the event that the above source is not used other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water well drilled at this location site.

6. SOURCES OF CONSTRUCTION MATERIAL

All construction materials for this location site shall be borrow materials accumulated during the construction of the location site. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site will consist of sandy-clay soils and sandstone and shale materials gathered in actual construction of the location.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A Reserve Pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of four feet of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a basin that lies between the Book Cliff Mountains to the South and the Uintah Mountains to the North. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the Southeast and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River formation (the Fluvial, Sandstone, Mudstone) from the Eocene and Quaternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as the primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth. In the areas that are formed along the edges of perennial streams, cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

11. OTHER INFORMATION - Continued

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B").

Piaute Fed. #22-18 Location site sits on a relatively flat area which is part of what is known as Pariette Bench. The Green River is located approximately 11 miles to the East of the location.

The geologic structure of the location is of the Uinta Formation and consists of light brownish-gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the Southwest through the location to the Northeast at approximately a 2% grade.

The location is covered with some sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Elliot
DIAMOND SHAMROCK CORPORATION
85 South 200 East Vernal, Utah 84078

1-801-789-5270

DIAMOND SHAMROCK CORPORATION
Piaute Fed. #22-18
Section 18, T9S, R17E, S.L.B. & M.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by DIAMOND SHAMROCK CORPORATION and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date

Bill Elliot
District Superintendant

Diamond Shamrock Corp.

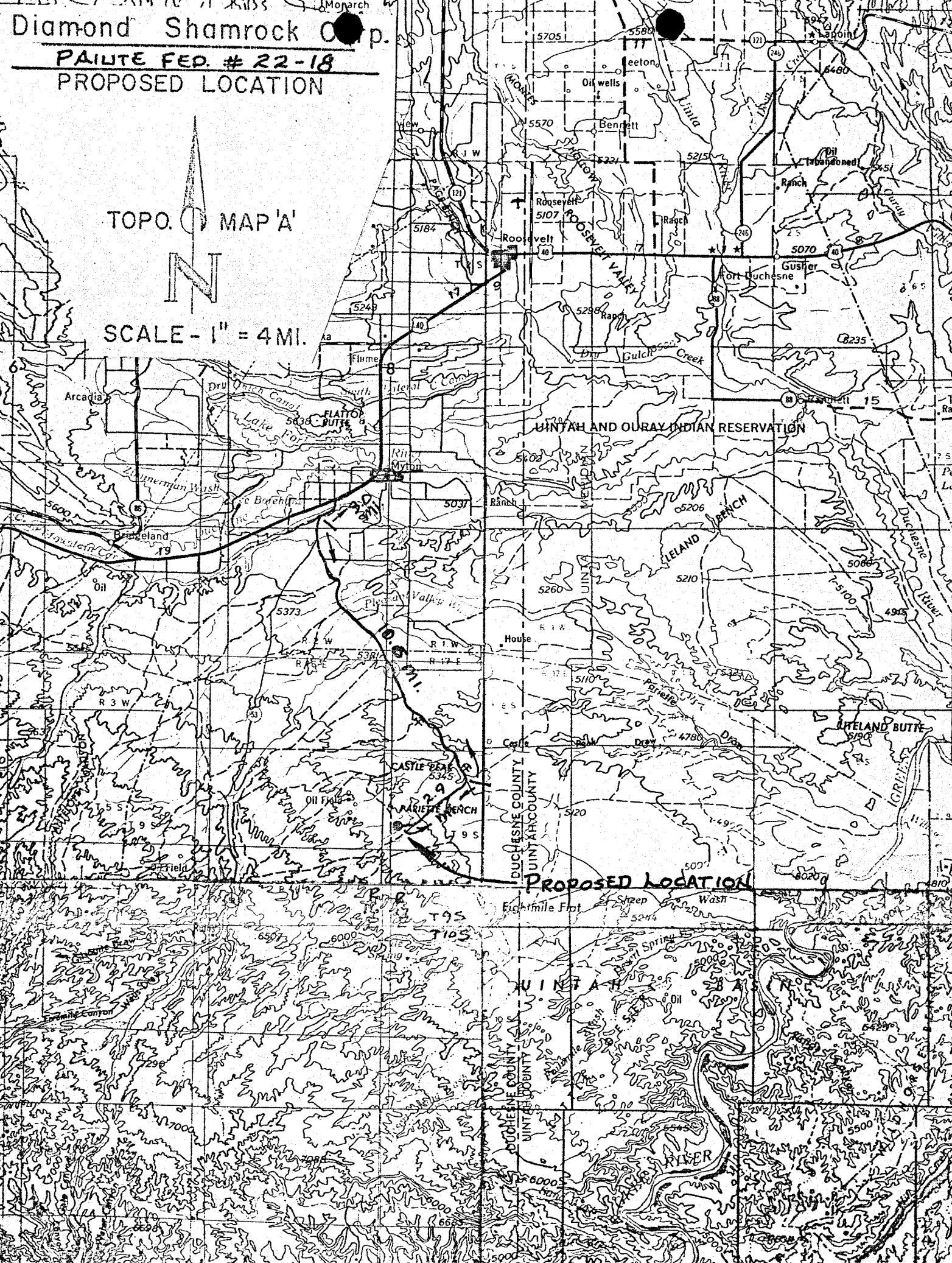
PAIUTE FED. # 22-18

PROPOSED LOCATION

TOPO. MAP 'A'



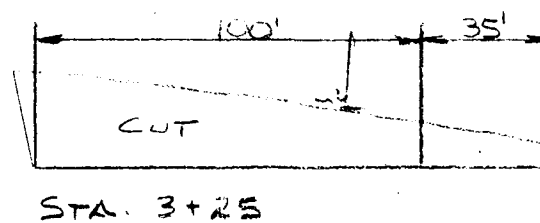
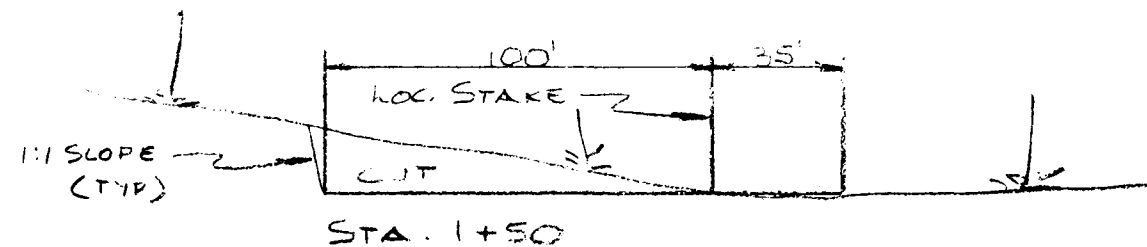
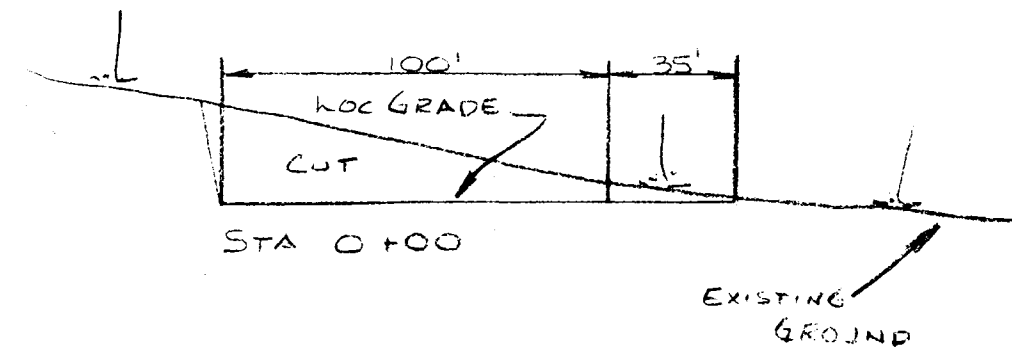
SCALE - 1" = 4 MI.



DIAMOND SHAMROCK CORP.

PAUTE FED. # 22-18

C
R
O
S
S
S
E
C
T
I
O
N
S



1" = 10'

Scales

1" = 50'

APPROXIMATE YARDAGES

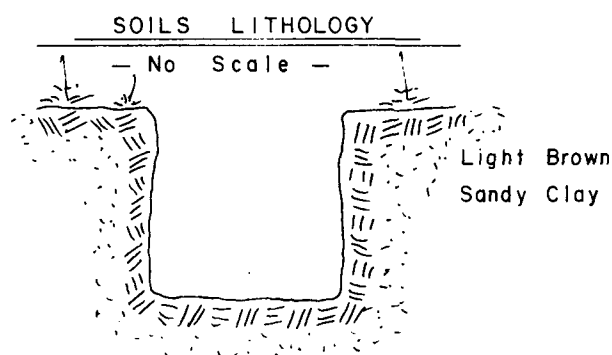
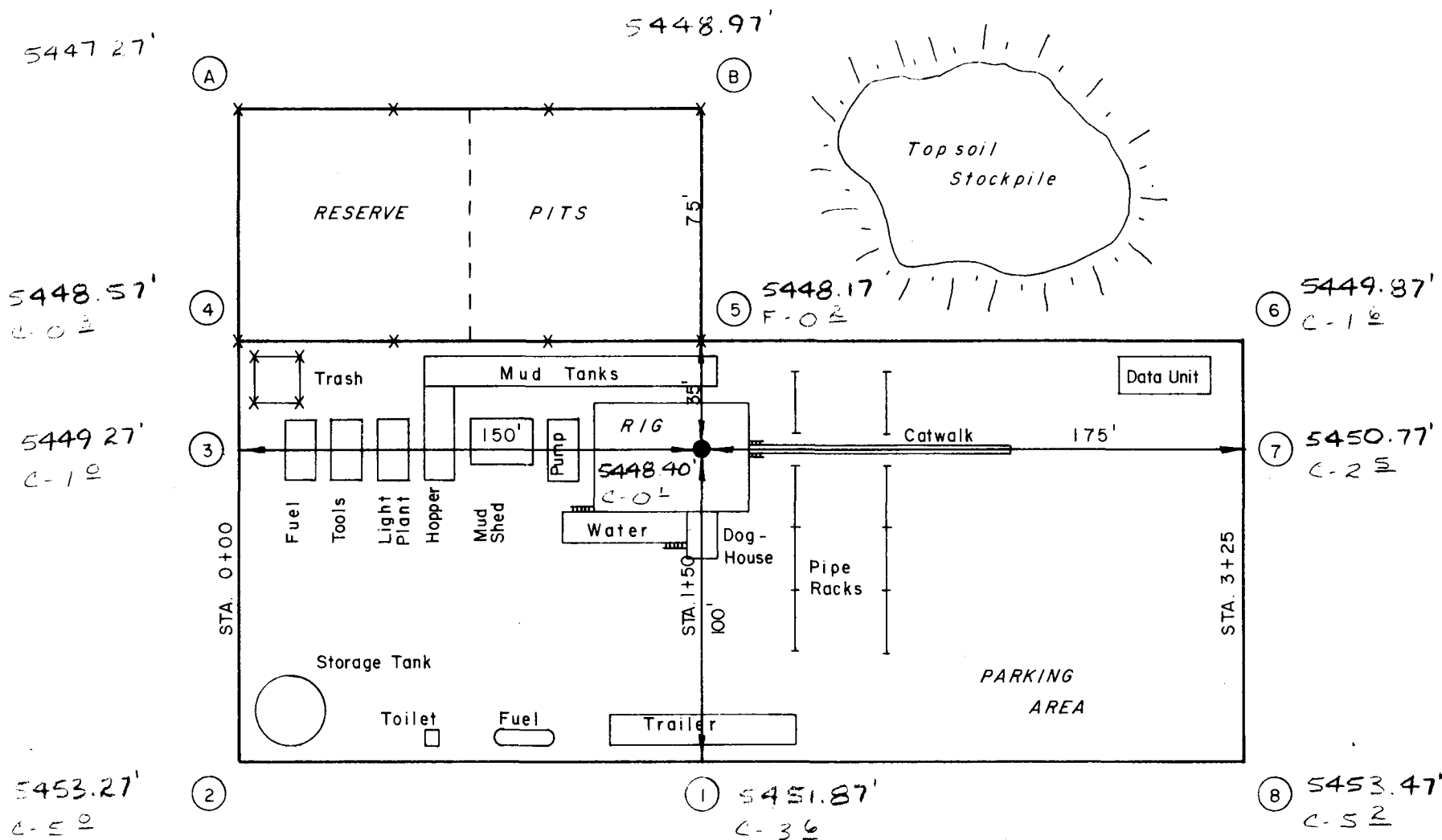
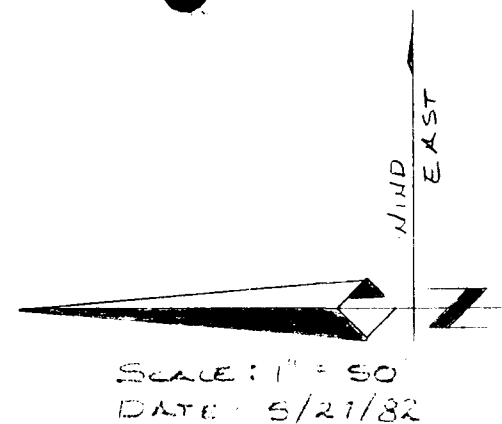
Cu. Yds. Cut = 3550

Cu. Yds. Fill = 10

RECEIVED

JUL 14 1982

DIVISION OF
OIL, GAS & MINING



PAIUTE OIL & MINING CORP.

POMCO 7-18
PROPOSED LOCATION

TOPO.

MAP "B"

SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty

Unimproved dirt

State Route

UTAH

QUADRANGLE LOCATION

EXISTING ROAD

MI.

18

Pomco #1

Pomco #2R

Pomco #4

Storage Bin

Snyder Spring

** FILE NOTATIONS **

DATE: Nov 20, 1979

Operator: Paints Oil and Mining Corp.

Well No: P.O.M.C.O. #7-18

Location: Sec. 18 T. 9S R. 17E County: Duchesne

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-013-30512

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: OK C-3 +

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☒

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation fed

Plotted on Map ☒

Approval Letter Written ☒

Wtm

he
PI

November 29, 1979

Palute Oil and Mining Corporation
1901 Prospector Square
Park City, Utah 84060

Re: Well No. POMCO #6-18, Sec. 18, T. 9S, R. 17E., Duchesne County, Utah
Well No. POMCO #7-18, Sec. 18, T. 9S, R. 17E., Duchesne County, Utah
Well No. POMCO #8-18, Sec. 18, T. 9S, R. 17E., Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #6-88 - 43-013-30511;
#7-18 - 43-013-30512; #8-18 - 43-013-30513.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:dm

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE COPY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | |
|--|--|--|---|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | | 5. LEASE DESIGNATION AND SERIAL NO. 1-3563 | |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR Paiute Oil & Mining Corporation | | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR 1901 Prospector Square, Park City, Utah 84060 | | | 8. FARM OR LEASE NAME P.O.M.C.O. | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1958' FNL - 1882' FWL Section 18, T9S, R17E, S.L.B. & M. At proposed prod. zone | | | 9. WELL NO. #7-18 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 miles South of Myton, Utah | | | 10. FIELD AND POOL, OR WILDCAT Wildcat | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) | | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 18, T9S, R17E S.L.B. & M. | |
| 16. NO. OF ACRES IN LEASE 1308.92 | | | 12. COUNTY OR PARISH Duchesne | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 | | | 13. STATE Utah | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 6000' | | | 20. ROTARY OR CABLE TOOLS Rotary | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5448' | | | 22. APPROX. DATE WORK WILL START* December 10, 1979 | |

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/2" | 8 5/8" | 36# | 300' | 250 sacks |
| 7 7/8" | 4 1/2" | 27# | 6000' | 400 sacks |

RECEIVED
JUN 27 1980DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Representative DATE November 13, 1979
(This space for Federal or State office use)PERMIT NO. [Signature] APPROVAL DATE JUN 24 1980
APPROVED BY [Signature] FOR E. W. GUYNN
CONDITIONS OF APPROVAL, IF ANY: TITLE DISTRICT ENGINEER DATECONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

Utah Oil & Gas

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-5363OPERATOR: Paivte Oil and Mining -WELL NO. 7-18LOCATION: 1/4 SE 1/4 NW 1/4 sec. 18, T. 9S, R. 17E, SLMDuchesne County, Utah

. Stratigraphy: Elev: 5448

Uinta surface

Green River 1448 (+4000)

Evacuation Creek 2048 (+3400)

Douglas Creek. 4554 +894

. Fresh Water: None anticipated.

. Leasable Minerals: Valuable for oil shale in the Green River.
Mahogany bed at. 3050'

. Additional Logs Needed: A resistivity log would be desirable.

. Potential Geologic Hazards: Leached zones may occur below rich oil shale layers.
Lost circulation is possible in these leached zones.. References and Remarks: Within Monument Butte KGS.
U.S.G.S. Files, S.L.C., UtahSignature: J Paul Matheny Date: 12 - 14 - 79

Oil and Gas Drilling

EA No. 91-80

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Lease No. U-3563

Operator: Paiute Oil & Mining Corporation Well No.: 7-18

Location: 1958' FNL & 1882' FWL Sec.: 18 T.: 9S. R.: 17E.

County: Duchesne State: Utah Field: Wildcat

Status: Surface Ownership: Public Minerals: Federal

Joint Field Inspection Date: November 30, 1979

Participants and Organizations:

| | |
|-----------------|---------------------------------|
| Greg Darlington | USGS-Vernal, Utah |
| Bill Arnold | BLM-Vernal, Utah |
| Gene Stewart | Paiute Oil & Mining Corporation |
| Bert Greenhow | TWT Exploration |
| Rick Robbins | Robbins Construction Company |

Related Environmental Analysis and References:

- (1) Unit Resource Analysis, Duchesne Planning Unit, BLM, Vernal.
- (2) EA 96-80

Analysis Prepared by: Greg Darlington
Environmental Scientist
Vernal, Utah

Date: December 4, 1979

tm

*Pad 155X295
Pit 50X75
35/100 mi X 16' wide upgrade trail
Flow line not in ch
Stockpile topsoil
19/100 ac
mitigations Pg 6
(3) A. & B.*

Noted - G. Diwachak

Proposed Action:

On November 14, 1979, Paiute Oil & Mining Corporation filed an Application for Permit to Drill the No. 7-18 exploratory well, a 6000 ft. oil and gas test of the Green River Formation; located at an elevation of 5448 ft. in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18, T. 9S., R. 17E. on Federal mineral lands and public surface; lease No. U-3563. There was no objection raised to the wellsite. A well service road built about 4 years ago will be used for part of the access and a jeep trail will be improved for the rest of it.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 155 ft. wide x 295 ft. long and a reserve pit 50 ft x 75 ft. An existing trail would be upgraded to 18 ft. wide by .35 mile long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is in January and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drill site is approximately 18 miles South of Myton, Utah, the nearest town. A fair road runs to within .35 miles of the location. This well is a wildcat well.

Topography:

The location is on a gently sloping hill.

Geology:

The surface geology is Uintah Formation of Eocene Age.

The soil is a sandy clay with sandstone and shale gravels.

No geologic hazards are known near the drillsite.

Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.9 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible,

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated. ✓

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The drainages at the location are non-perennial and proceed to the Green River about 11 miles distant from the location.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the

well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 1.9 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise

Levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are becoming significant in Duchesne County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Duchesne Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be hauled away at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

(1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under

USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- A. The well service road to Strook, Roger, and Dymond #18-1 Federal producing well would be used for an access road to this well. Also .35 miles of jeep trail access road to Well #18-1 would be upgraded from the #18-1 to the proposed well #7-18. This route would also be used for the access road to Well #8-18. (see EA 96-80)
- B. Topsoil will also be stockpiled near corner 2 on the uphill side of the pad and will not be used for the construction of tank batteries.

Adverse Environmental Effects Which Cannot Be Avoided:

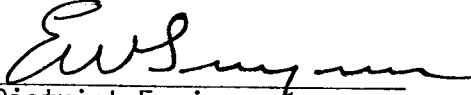
Surface disturbance and removal of vegetation from approximately 1.9 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Green River. The potential for pollution to the Green River would exist through leaks and spills.

Finding of No Significant Impact:

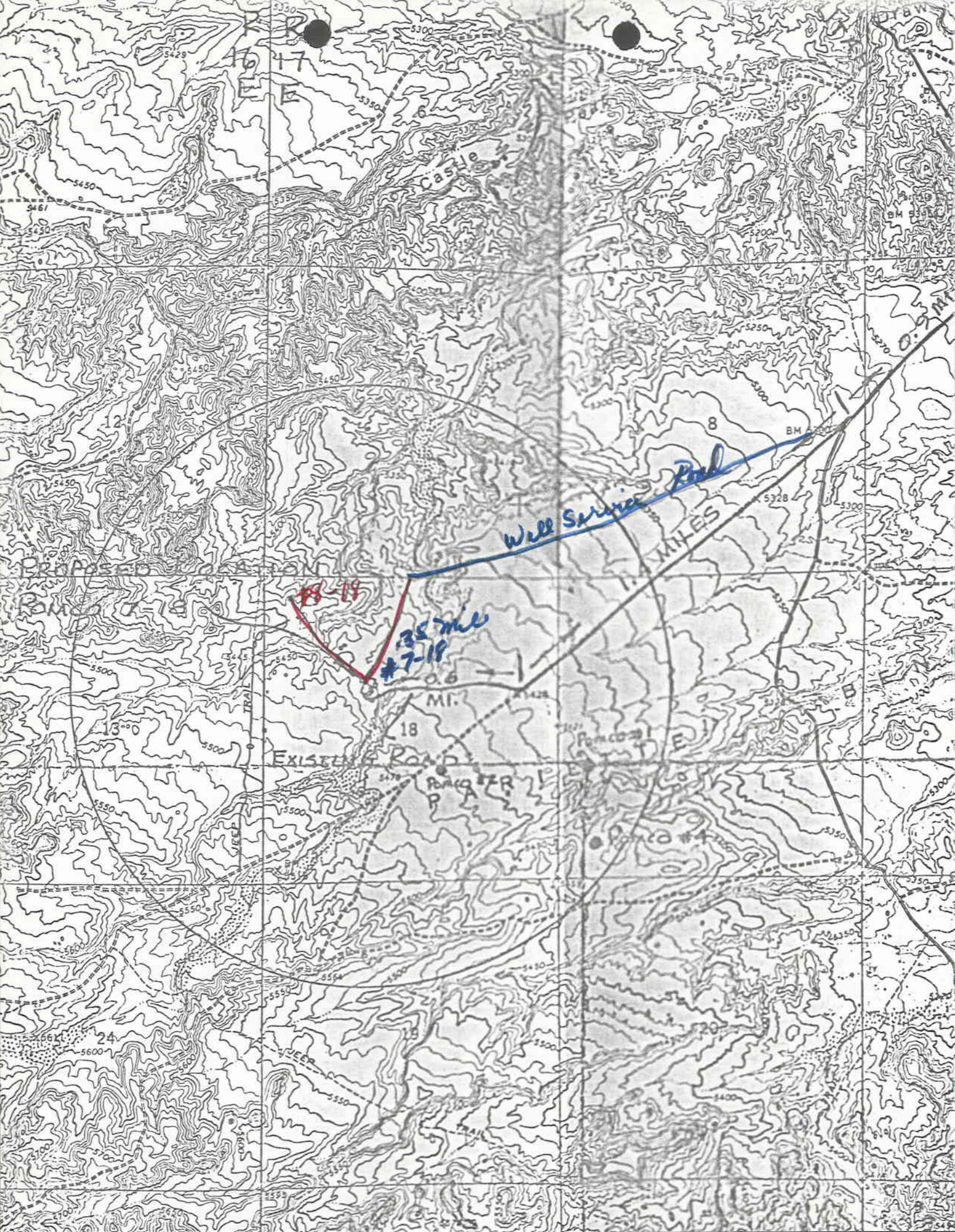
We have considered the proposed Paiute Oil & Mining Corporation Well No. 7-18 in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action as modified by the recommended approval conditions does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C).


District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

1/21/80
Date



1. Geological Name of Surface Formation

(A) Uinta Formation of Eocene Age

2. Tops of Important Geological Markers

(A) Evacuation Creek Member of Upper Green River (Approx 2600 Ft.)

(B) Douglas Creek Member of Basal Green River Formation (Approx. 5100 Ft.)

3. Estimated Depths of Anticipated Water, Oil or Gas

(A) Gas anticipated at 2600 Ft. in Evacuation Creek Member
(Water or Oil not anticipated)

(B) Oil anticipated in Basal Green River Formation (Douglas Creek)
at 5100' to 5600'

4. Proposed Casing Program

(A) 300 Ft. of 9 5/8" surface casing A.P.I. 36 Lbs. per Ft. (J-33),
5100 Ft. of 4 1/2" A.P.I. 27 Lbs. per Ft. (J-55). All pipe to be
purchased as new.

5. Specifications For Pressure Control Equipment

(A) 8 inch series 900 Double Hydraulic B.O.P. with Pipe Rams and Blind
Rams.

(B) B.O.P. to be pressure tested before spudding and daily testing of
closing units and rams while drilling.

6. Proposed Circulating Medium

(A) Brine water is proposed to be used unless additional weight is
needed to control pressures or heaving shale. In this event a
chemical-gel fresh water mud will be used and Barite as needed to
control pressure.

7. Auxiliary Equipment To Be Used

(A) Upper Kelly Cock

(B) Float at Bit

(C) Floor T.I.W. Valve (stabbing valve) for drill pipe

(D) Gas Detector Logging Unit

8. Testing, Logging And Coring Program

- (A) Drill Stem Test of Evacuation Creek and Douglas Creek
- (B) Will Run Gamma-Neutron, Caliper, and Density Logs (Density Log is Optional)

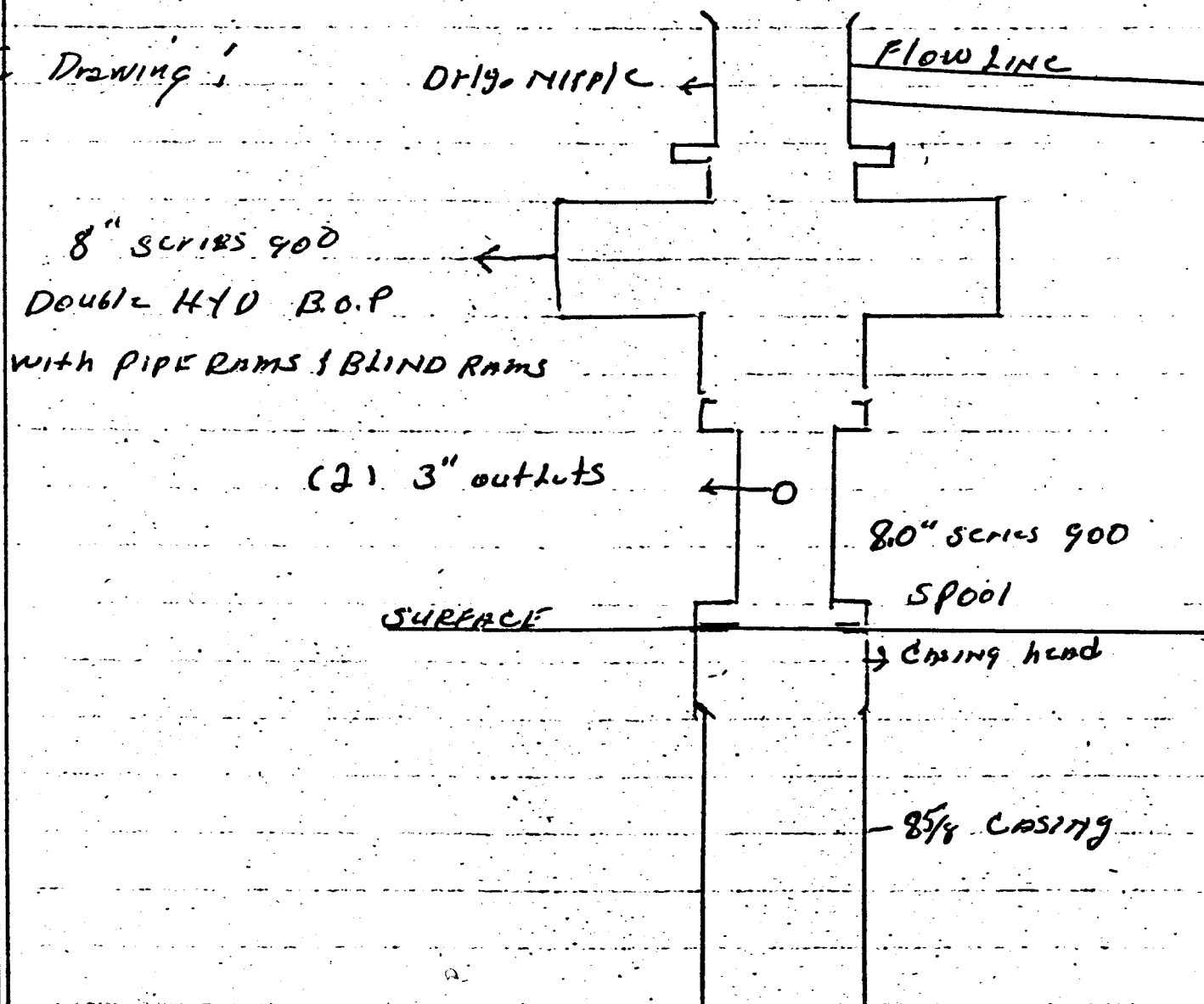
9. Anticipated Abnormal Pressures, Temperatures or Hazards.

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

10. Starting Date And Duration Of Operations

- (A) Anticipated starting date March 30, 1979 for Well #1, April 30, 1979 for Well #2, May 30, 1979 for Well #3, June 30, 1979 for Well #4, and July 30, 1979 for Well #5
- (B) Each well is anticipated to be drilled in approximately 30 days.

5. Drawing:



PAIUTE OIL & MINING CORPORATION

13 Point Surface Use Plan

For

Well Location

P.O.M.C.G. #7-18

Located In

Section 18, T9S, R17E, S.L.B. & M.

Duchesne County, Utah

PAIUTE OIL & MINING CORPORATION
P.O.M.C.O. #7-18
Section 18, T9S, R17E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Paiute Oil & Mining Corporation well location, P.O.M.C.O. #7-18, located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 18, T9S, R17E, S.L.B. & M., Duchesne County, Utah; proceed Southwesterly out of Myton, Utah, along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53-216, to the South; proceed Southerly along this Highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 - 11.5 miles to the junction of this road and an existing dirt oil filed service road to the Southwest; proceed Southwesterly along this service road 1.4 miles to the junction of this road and a road to the West, proceed Westerly along this road 0.6 miles to the porposed location site.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highways 53 and 216, at which point Utah State Road 216 is constructed out of existing native materials that are prevalent to the existing areas it is located in and ranges from clay to a snady-clay shale material, as are the aforementioned dirt oil field service roads and other roads in the vicinity.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of the well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

There will be no access road built to this location site, as the existing road goes to the proposed location site.

3. LOCATION OF EXISTING WELLS

There are no known abandoned wells, water wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site.

There is however, three producing wells within a one mile radius of the proposed location site. For the location of these wells refer to Topographic Map "B".

PAIUTE OIL & MINING CORPORATION
P.O.M.C.O. #7-18
Section 18, T9S, R17E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Paiute Oil & Mining Corporation tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site.

In the event that production is established, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from the Duchesne River, at a point where Highway 40 crosses it North of Myton, Utah, approximately 16 miles to the Northeast of the proposed location site.

In the event that the above source is not used other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water well drilled at this location site.

PAIUTE OIL & MINING CORPORATION
P.O.M.C.O. #6-18
Section 18, T9S, R17E, S.L.B. & M.

6. SOURCES OF CONSTRUCTION MATERIAL

All construction materials for this location site shall be borrow materials accumulated during the construction of the location site. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site will consist of sandy-clay soils and sandstone and shale materials gathered in actual construction of the location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. Non-flammable materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable chemical toilet will be supplied for human waste.

A trash basket will be provided for flammable materials. This will be hauled by truck to the nearest sanitary landfill.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

PAIUTE OIL & MINING CORPORATION
P.O.M.C.O. #7-18
Section 18, T9S, R17E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of four feet of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a basin that lies between the Book Cliff Mountains to the South and the Uintah Mountains to the North. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the Southeast and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River formation (the Fluvial, Sandstone, Mudstone) from the Eocene and Quaternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as the primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth. In the areas that are formed along the edges of perennial streams, cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

PAIUTE OIL & MINING CORPORATION
P.O.M.C.O. #7-18
Section 18, T9S, R17E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B").

P.O.M.C.O. #7-18 Location site sits on a relatively flat area which is part of what is known as Pariette Bench. The Green River is located approximately 11 miles to the East of the location.

The geologic structure of the location is of the Uinta Formation and consists of light brownish-gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the Southwest through the location to the Northeast at approximately a 2% grade.

The location is covered with some sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Olin Glover
Paiute Oil & Mining Corporation
1901 Prospector Square
P.O. Box 1329
Park City, Utah 84060


Telephone: 649-8212

PAIUTE OIL & MINING CORPORATION
P.O.M.C.O. #7-18
Section 18, T9S, R17E, S.L.B. & M.

13. CERTIFICATION

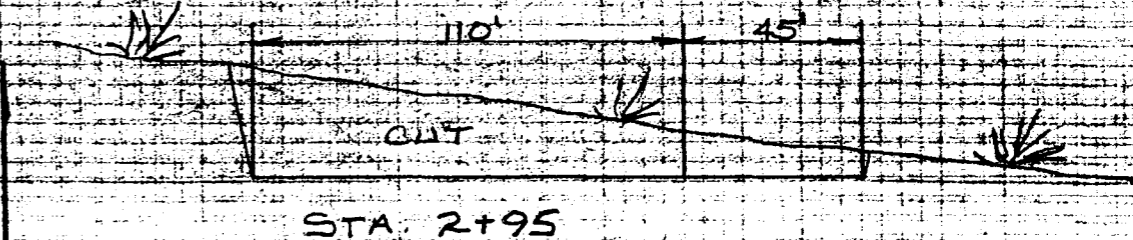
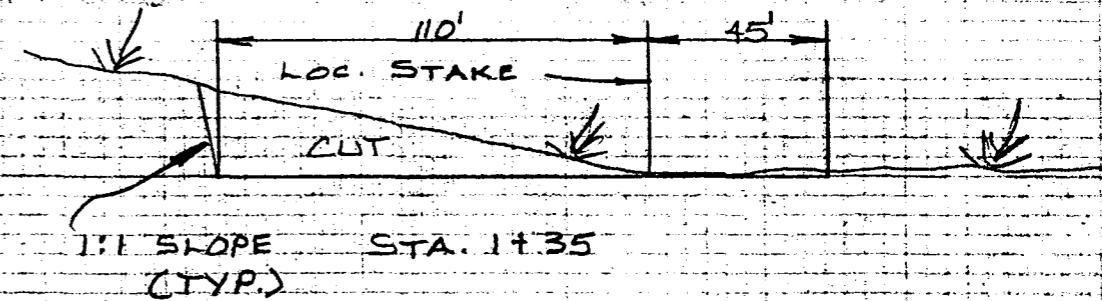
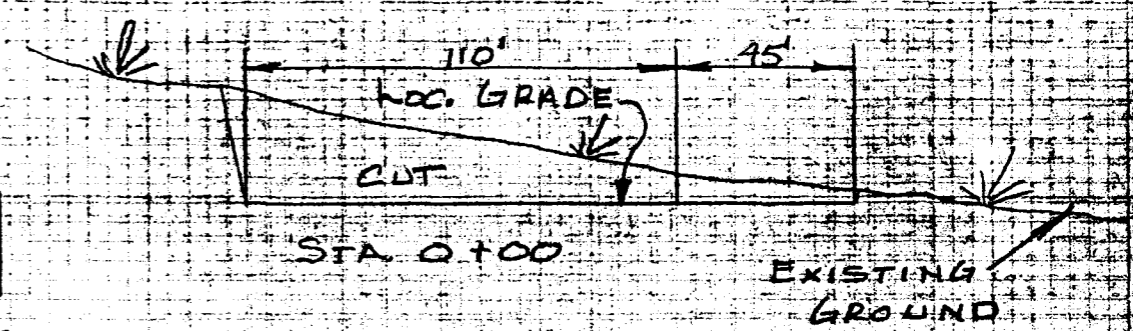
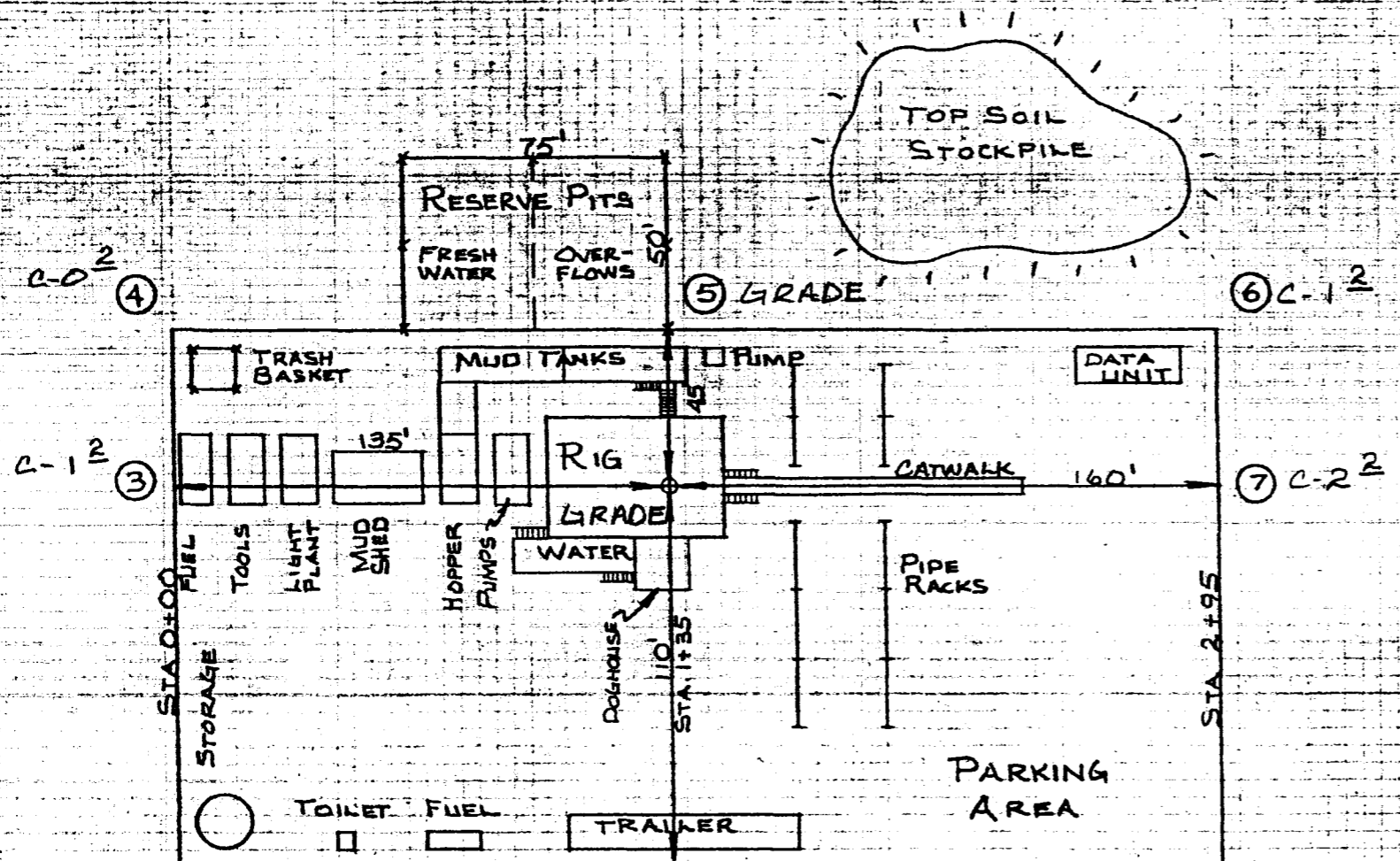
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Paiute Oil & Mining Corporation and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

November 13, 1979
Date


Olin Glover
Drilling and Production Superintendant

PIUTE OIL & MINING CORP.

POMCO 7-18



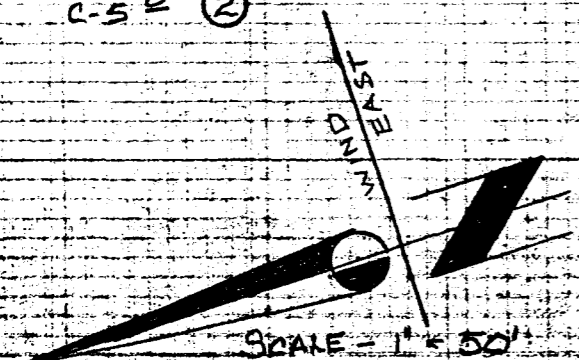
SCALES

1" = 50'

APPROX. YARDAGES

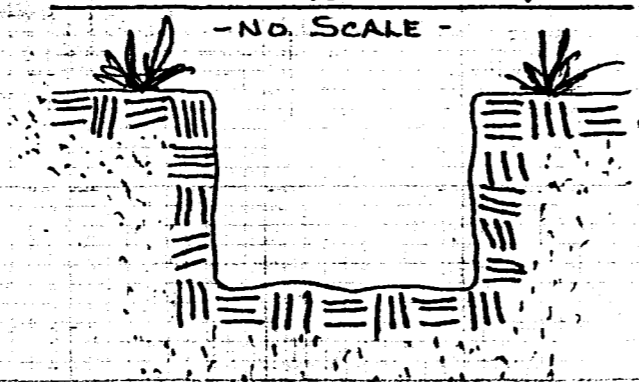
CUT - 3,944 CU. YDS.

FILL - 0 CU. YDS.



SOILS LITHOLOGY

- NO. SCALE -



LIGHT BROWN SANDY CLAY

PAIUTE OIL & MINING CORP.

POMCO 7-18
PROPOSED LOCATION

TOPO.

MAP "B"

SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty

Unimproved dirt

State Route

UTAH

QUADRANGLE LOCATION

EXISTING ROAD

MI.

18

Pomco #1

Pomco #2R

Pomco #4

Storage Bin

Snyder Spring



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE MCINTYRE

November 24, 1980

Paiute Oil & Mining Corp.
1901 Prospector Square
Park City, Utah 84060

RE: SEE ATTACHED SHEET FOR WELLS
DUE.

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

DEBBIE BEAUREGARD
CLERK TYPIST

SHEET ATTACHMENT

- (1) P.O.M.C.O. #6-18
Sec. 18, T. 9S, R. 17E,
Duchesne County, Utah
- (2) P.O.M.C.O. #7-18
Sec. 18, T. 9S, R. 17E,
Duchesne County, Utah
- (3) P.O.M.C.O. #8-18
Sec. 18, T. 9S, R. 17E,
Duchesne County, Utah
- (4) P.O.M.C.O. #9-7
Sec. 7, T. 9S, R. 17E,
Duchesne County, Utah
- (5) P.O.M.C.O. #10-7
Sec. 7, T. 9S, R. 17E,
Duchesne County, Utah
- (6) P.O. M.C.O. #11-17
Sec. 17, T. 9S, R. 17E,
Ducnsene County, Utah
- (7) P.O.M.C.O. #13-6
Sec. 6, T. 10S, R. 17E,
Duchesne County, Utah
- (8) P.O.M.C.O. #25-16
Sec. 25, T. 9S, R. 17E,
Duchesne County, Utah

July 17, 1981

Peabody Oil & Mining Corporation
1901 Prospector Square
Park City, Utah 84060

Re: See Attachment

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells are due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Shady B. Faught
Shady B. Faught
Director

/lm
Enclosures
Attachment

LAST REQUEST

1. Well No. POMCO #4
Sec. 17, T. 9S, R. 17E
Duchesne County, Utah
2. Well No. POMCO #8-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
3. Well No. POMCO #9-7
Sec. 7, T. 9S, R. 17E
Duchesne County, Utah
4. Well No. POMCO #25-16
Sec. 25, T. 9S, R. 17E
Duchesne County, Utah
5. Well No. POMCO #24-15
Sec. 24, T. 9S, R. 17E
~~Duchesne County, Utah~~
6. Well No. POMCO #7-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
7. Well No. POMCO #13-6
Sec. 6, T. 10S, R. 17E
Duchesne County, Utah

July 30, 1981

Paute Oil & Mining Corporation
P. O. Box 1329
Prospector Square
Park City, Utah 84060

Re: See Attached Sheet

Gentlemen:

In reference to the above mentioned wells, we are hereby terminating the subject wells. We are classifying them as location abandoned for failure to submit reports or respond to correspondence.

If and when you should decide to drill or redrill these wells, it will be necessary for you to obtain the approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Cleon B. Feight
Director

/lm

Attachment

cc: TWT Exploration Inc.

1. WELL NO. POMCO #2
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
2. WELL NO. POMCO #7-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
3. WELL NO. POMCO #8-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
4. WELL NO. POMCO #9-7
Sec. 7, T. 9S, R. 17E
Duchesne County, Utah
5. WELL NO. POMCO #13-6
Sec. 6, T. 10S, R. 17E
Duchesne County, Utah
6. WELL NO. POMCO #17-29
Sec. 29, T. 9S, R. 17E
Duchesne County, Utah
7. WELL NO. POMCO #25-16
Sec. 25, T. 9S, R. 17E
Duchesne County, Utah


PAIUTE OIL & MINING CORP

P.O. Box 1329

Park City, Utah 84060

September 4, 1981

*Level from
plugged & abandoned
and put in drilling*

STATE OF UTAH
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Cleon B. Feight
Director

Re: See Attached Sheet

Dear Jack:

In reply to your letter dated July 30, 1981 and after talking with you over the phone, we want the list of wells shown on the attached sheet to remain active as potentially to be or have been drilled and are in a holding stage. Where in a holding stage like POMCO #2, we are waiting on repairs to correct a leak in the casing. POMCO #17-29 has been drilled but did not produce commercially. It was plugged and abandoned, but there is a possibility it could be re-opened for exploration.

It was great speaking with you. Pay us a visit in Park City.

Sincerely,

Wes

Wes Dickerson
For R.J. Pinder

attachment

RECEIVED
SEP 10 1981

DIVISION OF
OIL, GAS & MINING

1. WELL NO. POMCO #2
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
2. WELL NO. POMCO #7-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
3. WELL NO. POMCO #8-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah
4. WELL NO. POMCO #9-7
Sec. 7, T. 9S, R. 17E
Duchesne County, Utah
5. WELL NO. POMCO #13-6
Sec. 6, T. 10S, R. 17E
Duchesne County, Utah
6. WELL NO. POMCO #17-29
Sec. 29, T. 9S, R. 17E
Duchesne County, Utah
7. WELL NO. POMCO #25-16
Sec. 25, T. 9S, R. 17E
Duchesne County, Utah



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 4, 1982

Paiute Oil & Mining Corporation
P. O. Box 1329
Park City, Utah 84060

Re: See attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

Well No. POMCO #9-7
Sec. 7, T. 9S, R. 17E
Duchesne County, Utah

Well No. POMCO #7-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah

Well No. POMCO #8-18
Sec. 18, T. 9S, R. 17E
Duchesne County, Utah

Well No. POMCO 25-16
Sec. 25, T. 9S, R. 17E
Duchesne County, Utah

Well No. POMCO 13-6
Sec. 6, T. 10S, R. 17E
Duchesne County, Utah



PAIUTE OIL & MINING CORP

P.O. Box 1329
Park City, Utah 84060

February 8, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Cari Furse

Re: POMCO #9-7
Sec. 7, T 9 S, R. 17 E
POMCO #7-18
Sec. 18, T 9 S, R 17 E
POMCO #8-18
Sec. 18, T 9 S, R 17 E
POMCO #25-16
Sec. 25, T 9 S, R 17 E

Dear Ms. Furse:

Pursuant to your letter of February 4, 1982, please be advised that it is our intentions at this time to drill within sixty days on the above said POMCO wells.

If we may be of further assistance, please advise.

Respectfully yours,

Connie King

Connie King
Secretary
PAIUTE OIL & MINING CORP

RECEIVED
FEB 10 1982
DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERAL MANAGEMENT

OIL & GAS OPERATIONS

SECTION, LOCATION AND SERIAL NO.

RECEIVED-3563-A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR

85 South 200 East Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1958' FNL 1882' FWL Section 18, T9S, R17E, S.L.B. & M.

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 Miles South of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest Grig. unit line, if any)

16. NO. OF ACRES IN LEASE

1308.92

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5448'

22. APPROX. DATE WORK WILL START*

June 15, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

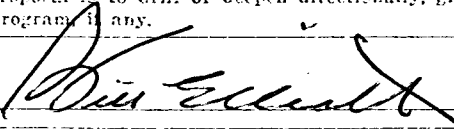
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------|
| 12 1/2" | 8 5/8" | 24# K55 | 250' | Circulate to Surface |
| 7 7/8" | 5 1/2" | 15.5# K55 | T.D. 6000' | Circulate to Surface |

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up B.O.P as required and pressure test. Drill 7 7/8" hole to approximately 6000' if production is found to be feasible set 5 1/2" Casing (production).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

District Superintendent

DATE

May 26, 1982

(This space for Federal or State office use)

PERMIT NO.

E. W. Gwynn DATE

District Oil & Gas Supervisor

APPROVED BY



TITLE

DATE

JUN 17 1982

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State Oil & Gas

United States Department of the Interior
Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock Corporation
Project Type Oil Well
Project Location 1958' FNL 1882' FWL Section 18, T9S, R17E
Well No. 22-18 Lease No. U-3563-A
Date Project Submitted May 28, 1982

FIELD INSPECTION

Date June 15, 1982

Field Inspection
Participants

Greg Darlington - MMS, Vernal
Gary Slagel - BLM, Vernal
Bill Elliott - Diamond Shamrock
Floyd Murray - D.E. Casada
Gene Stewart - Uintah Engineering

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

June 16, 1982
Date Prepared

Gregory Darlington
Environmental Scientist

I concur

JUN 17 1982

Date

W. P. Martin

District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

Proposed Actions :

Diamond Shamrock plans to drill the Private Federal # 22-18 well, a 6000' oil test of various formations. A new access road of .4 mile length was staked to indicate the preferred route at the time of the onsite. A pad 135' by 325' with a reserve pit 75' by 150' is planned for the location.

Recommended Approval Conditions:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM stipulations
2. Lease stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

FIELD NOTES SHEET

Date of Field Inspection: June 15, 1982

Well No.: 22-18

Lease No.: U-3563-A

Approve Location: ✓

Approve Access Road: Modified to reach old existing well

Modify Location or Access Road: .4 miles of new access

along a ridge top will be easier to build than route indicated on APD map.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) OLD 91-80

They still didn't change their old faulty map to show well service road to an existing well where the actual access road has been staked in from.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria 516 DM 2.3.A | Federal/State Agency | | | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | Other |
|---|-------------------------------|--------------------------|-------------------|--|------------------|------------------------------------|--------------------|--------------------------------|-------|
| | Corre- spondence (date) | Phone check (date) | Meeting (date) | | | | | | |
| Public health and safety | | | | | | | 1, 2, 4, 6 | June 15, 1982 | |
| Unique charac- teristics | | | | | | | 1, 2, 4, 6 | | |
| Environmentally controversial | | | | | | | 1, 2, 4, 6 | | |
| Uncertain and unknown risks | | | | | | | 1, 2, 4, 6 | | |
| Establishes precedents | | | | | | | 1, 2, 4, 6 | | |
| Cumulatively significant | | | | | | | 1, 2, 4, 6 | | |
| National Register historic places | | | | | | | 1, 6 | | |
| Endangered/ threatened species | | | | | | | 1, 6 | | |
| Violate Federal, State, local, tribal law | | | | | | | 1, 2, 4, 6 | ✓ | |

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. Onsite Requirements Other than the Items 1-7.



PAIUTE OIL & MINING CORP

P.O. Box 1329

Park City, Utah 84060

February 8, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Cari Furse

Re: POMCO #9-7
Sec. 7, T 9 S, R. 17 E
POMCO #7-18
Sec. 18, T 9 S, R 17 E
POMCO #8-18
Sec. 18, T 9 S, R 17 E
POMCO #25-16
Sec. 25, T 9 S, R 17 E

Dear Ms. Furse:

Pursuant to your letter of February 4, 1982, please be advised that it is our intentions at this time to drill within sixty days on the above said POMCO wells.

If we may be of further assistance, please advise.

Respectfully yours,

Connie King

Connie King
Secretary
PAIUTE OIL & MINING CORP

RECEIVED
FEB 10 1982
DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERALS MANAGEMENT

OIL & GAS OPERATIONS

RECEIVED-3563-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

LAKE CITY, UTAH

8. FARM OR LEASE NAME

Piaute Fed.

9. WELL NO.

#22-18

10. FIELD AND POOL, OR WILDCAT

field

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 18, T9S, R17E, S.1

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR

85 South 200 East Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1958' FNL 1882' FWL Section 18, T9S, R17E, S.1.B. & M.

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 Miles South of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest orig. unit line, if any)

16. NO. OF ACRES IN LEASE

1308.92

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5448'

22. APPROX. DATE WORK WILL START*

June 15, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------|
| 12 1/2" | 8 5/8" | 24# K55 | 250' | Circulate to Surface |
| 7 7/8" | 5 1/2" | 15.5# K55 | T.D. 6000' | Circulate to Surface |

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up B.O.P as required and pressure test. Drill 7 7/8" hole to approximately 6000' if production is found to be feasible set 5 1/2" Casing (production).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

District Superintendent

DATE

May 26, 1982

(This space for Federal or State office use)

PERMIT NO.

E. W. Gwynn DATE

District Oil & Gas Supervisor

APPROVED BY

TITLE

DATE

JUN 17 1982

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State Oil & Gas

Identification No. 352-82

United States Department of the Interior
Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock Corporation
Project Type Oil Well
Project Location 1958' FNL 1882' FWL Section 18, T9S, R17E
Well No. 22-18 Lease No. U-3563-A
Date Project Submitted May 28, 1982

FIELD INSPECTION Date June 15, 1982

Field Inspection
Participants Greg Darlington - MMS, Vernal
Gary Slagel - BLM, Vernal
Bill Elliott - Diamond Shamrock
Floyd Murray - D.E. Casada
Gene Stewart - Uintah Engineering

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

June 16, 1982
Date Prepared

Gregory Darlington
Environmental Scientist

I concur

JUN 17 1982

Date

W.P. Martin

District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

Proposed Actions :

Diamond Shamrock plans to drill the Private Federal # 22-18 well, a 6000' oil test of various formations. A new access road of .4 mile length was staked to indicate the preferred route at the time of the onsite. A pad 135' by 325' with a reserve pit 75' by 150' is planned for the location.

Recommended Approval Conditions:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD :

1. BLM stipulations
2. Lease stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

FIELD NOTES SHEET

Date of Field Inspection: June 15, 1982

Well No.: 22-18

Lease No.: U-3563-A

Approve Location: ✓

Approve Access Road: Modified to reach old existing well

Modify Location or Access Road: .4 miles of new access
along a ridge top will be easier to build than route
indicated on APD map.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) OLD 91-80

They still didn't change their old faulty map to show
well service road to an existing well where the
actual access road has been staked in from.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria 516 DM 2.3.A | Federal/State Agency | | | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | Other |
|---|-------------------------------|--------------------------|-------------------|--|------------------|------------------------------------|--------------------|--------------------------------|-------|
| | Corre- spondence (date) | Phone check (date) | Meeting (date) | | | | | | |
| Public health and safety | | | | | | | 1, 2, 4, 6 | June 15, 1982 | |
| Unique charac- teristics | | | | | | | 1, 2, 4, 6 | | |
| Environmentally controversial | | | | | | | 1, 2, 4, 6 | | |
| Uncertain and unknown risks | | | | | | | 1, 2, 4, 6 | | |
| Establishes precedents | | | | | | | 1, 2, 4, 6 | | |
| Cumulatively significant | | | | | | | 1, 2, 4, 6 | | |
| National Register historic places | | | | | | | 1, 6 | | |
| Endangered/ threatened species | | | | | | | 1, 6 | | |
| Violate Federal, State, local, tribal law | | | | | | | 1, 2, 4, 6 | ✓ | |

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *Onsite Requirements other than the items 1-7.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR

85 South 200 East Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1958' FNL 1882' FWL Section 18, T9S, R17E, S.L.B. & M.

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 Miles South of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest orig. unit line, if any)

16. NO. OF ACRES IN LEASE

1308.92

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5448'

22. APPROX. DATE WORK WILL START*

June 15, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------|
| 12 1/2" | 8 5/8" | 24# K55 | 250' | Circulate to Surface |
| 7 7/8" | 5 1/2" | 15.5# K55 | T.D. 6000' | Circulate to Surface |

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up B.O.P.
as required and pressure test. Drill 7 7/8" if production is found to be feasible set 5 1/2"

APPROVED BY THE STATE
OF UTAH, DIVISION OF
OIL, GAS, AND MINING

DATE: 8/16/82

BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE District Superintendent

DATE May 26, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

JUL 14 1982

DIVISION OF
OIL, GAS & MINING

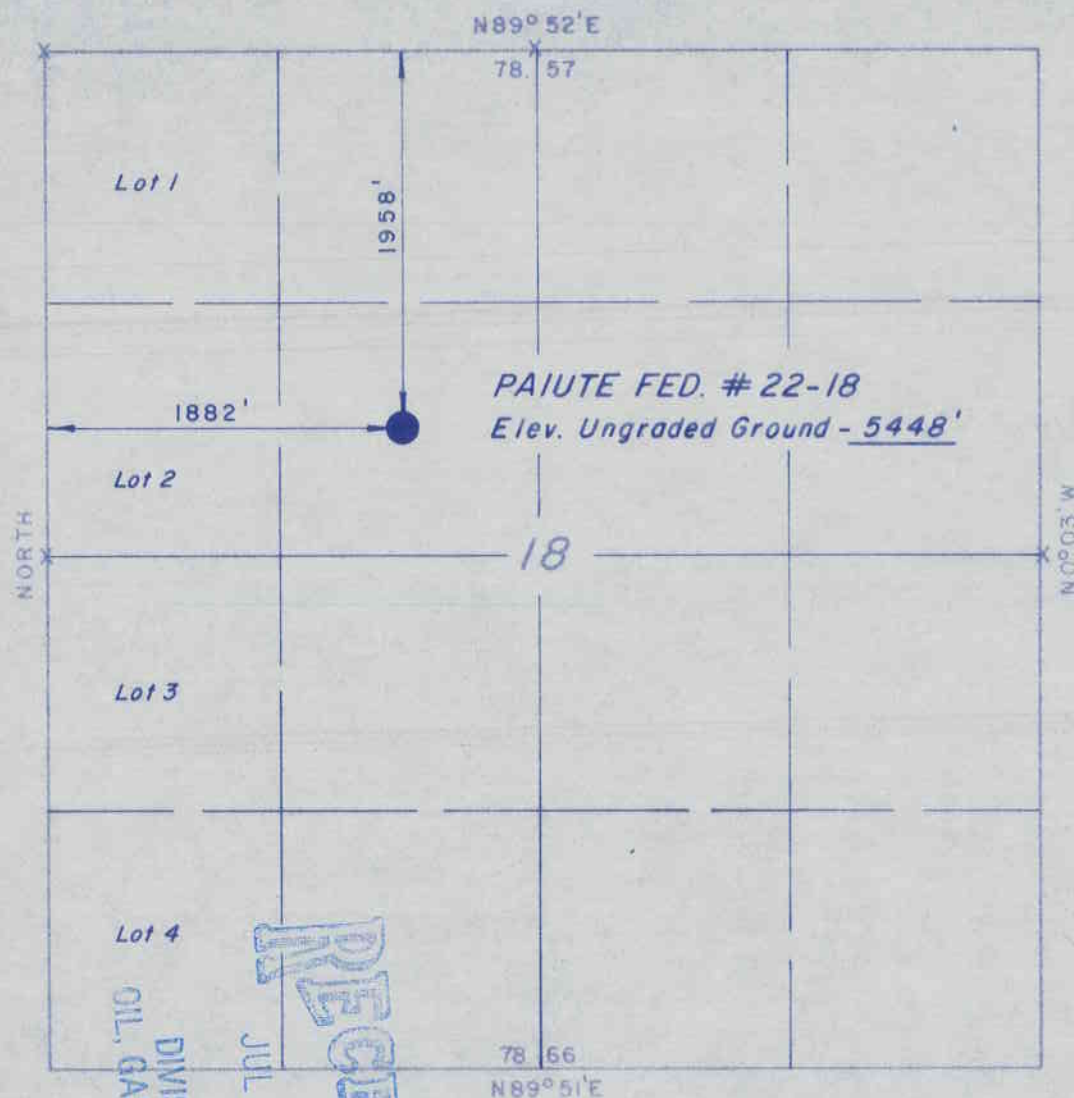
*See Instructions On Reverse Side

T9S, R17E, S.L.B. & M.

PROJECT

DIAMOND SHAMROCK CORP.

Well location, *Paute Fed. #22-18*, located as shown in the SE 1/4 NW 1/4 Section 18, T9S, R17E, S.L.B. & M. Duchesne County, Utah.



CERTIFICATE

I HEREBY CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lure Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

RECEIVED
JUL 14 1982
DIVISION OF
OIL, GAS & MINING

= Section Corners Located

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

| | | | |
|---------|------------|------------|------------------|
| SCALE | 1" = 1000' | DATE | 5/27/82 |
| PARTY | RT MD RP | REFERENCES | GLO Plat |
| WEATHER | Cool | FILE | DIAMOND SHAMROCK |



United States Department of the Interior

IN REPLY REFER TO

T & R
U-80]

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

June 16, 1982

Ed Guynn, District Engineer
Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84014

Re: Joint Onsite Inspection
Diamond Shamrock Corporation
T9S, R17E, Sec. 7: Pauite
Federal #24-7
T9S, R17E, Sec. 17: Pauite
Federal #11-17
T9S, R17E, Sec. 18: Pauite
Federal #11-18
Pauite Federal #22-18,
Pauite Federal #42-18
T9S, R19E, Sec. 17, Pariette
Bench #32-17.

Dear Mr. Guynn:

On June 15, 1982, a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock, Casada Construction, MMS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations.

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 Point Plan. Our office recommends the top 6-10 inches of topsoil material be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.
6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest sanitary landfill.

7. All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Endura-tone or an approved equal. All facilities shall be painted 6 months of when the production facilities are put in place. Facilities that are required to comply with OSHA (Occupational Safety and Health Act) standards are excluded.
8. Reserve pits will be fenced with a wire mesh fence topped with at least one strand of barbed wire.
9. At Pauite Federal #11-17, topsoil will be stockpiled between points 1 and 8.
10. At Pauite Federal #42-18, the entire location will be moved 100' northwest. The topsoil will be stockpiled on each end of the location between points 2 and 3 and 7 and 8.
11. At locations Pauite Federal #11-18 and Pauite Federal #22-18, the topsoil will be stockpiled on both end of the location between points 2 and 3 and 7 and 8.
12. At location Pariette Bench #32-17 topsoil will be stockpiled between points 2 and 3.

An archaeological clearance has been conducted by Archaeological-Environmental Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardized listed, threatened or endangered flora/fauna or their habitats.

Sincerely,

Timothy P. O'Brien
Ralph J. Heft
Acting Area Manager
Diamond Mountain Resource Area

cc: MMS, Vernal

** FILE NOTATIONS **

DATE: July 15, 1982
OPERATOR: Diamond Shamrock Corporation
WELL NO: Painte Federal #22-18
Location: Sec. 18 T. 9S R. 17E County: Duchesne

File Prepared: ☒

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-013-~~30149~~ 30512

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: ^{OK} Per Rule C-3

APPROVAL LETTER:

Bond Required: ☒

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed

Plotted on Map ☐

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

July 16, 1982

Diamond Shamrock Corporation
B5 South 200 East
Vernal, Utah 84078

RE: Well No. Paiute Federal #22-18
Sec. 18, T9S, R17E
Duchesne County

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

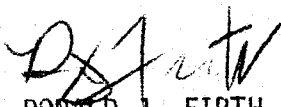
CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-³⁰⁵¹²~~30679~~.

Sincerely,



RONALD J. FIRTH
CHIEF PETROLEUM ENGINEER

RJF:SC
cc: Minerals Management Service
Enclosure

3140
(U-922)

RECEIVED
AUG 31 1983

August 10, 1983

DIVISION OF
OIL, GAS & MINING

Diamond Shamrock Corporation
85 South 200 East
Vernal, UT 84078

Re: Rescind Application for Permit
to Drill
Well No. 22-18 PAUTE FED
Section 18-T9S-R17E
Duchesne County, Utah
Lease No. U-3563-A

Gentlemen:

The Application for Permit to Drill the referenced well was approved on May 28, 1982. Since that date no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Please send requested information to Chief, Branch of Fluid Minerals, Bureau of Land Management, 1745 W. 1700 S., 2000 Administration Bldg., Salt Lake City, UT 84104.

Sincerely,

E. W. Gynn
Chief, Branch of
Fluid Minerals

bcc: BLM-Vernal
State O&G
State BLM
Well File
APD Control
DSD/MR Reading
922:DHorsley:rs:8/10/83:4590



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 14, 1983

Diamond Shamrock Corporation
Drawer E
Vernal, Utah 84078

RE: Rescind Application for
Permit to Drill
Well No. Pauite Fed. 22-18
Sec. 18, T.9S, R.17E
Duchesne County, Utah

Gentlemen:

Approval of Application for Permit to Drill the above referenced well is rescinded without prejudice as of the above date in concert with action taken by Branch of Fluid Minerals.

If you intend to drill this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

Norman C. Stout
Administrative Assistant

NS/as